

# SuperCollider

Introductie

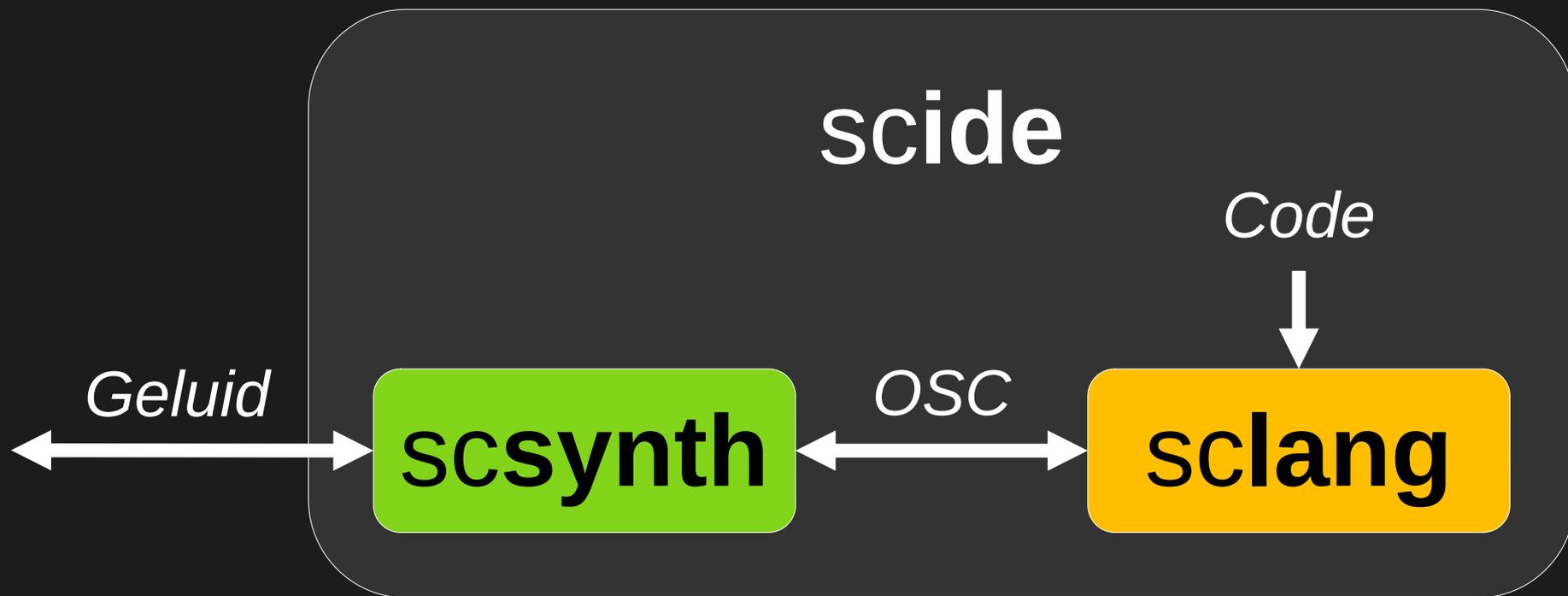
# SuperCollider?

- Programmeertaal voor muziek en geluid
  - Synthese
  - Sampling
  - Audio effecten
  - Analyse
- Gestart in 1996, sinds 2002 open-source
- Diverse platformen
  - Desktop computers: MacOS / Windows / Linux
  - Embedded: Bela / Raspberry Pi / ...?

# SuperCollider server/language

- **scsynth**
  - De 'server'
  - Maakt geluid!
- **sclang**
  - De 'client':
  - Stuur de **scsynth** aan op basis van je code
- **scide**
  - Code editor
  - Heeft ingebouwde **sclang** en **scsynth**

# SuperCollider server/language



# SuperCollider server

- Maakt geluid
- Moet eerst opgestart worden:
  - cmd/ctrl + B
  - s.boot;

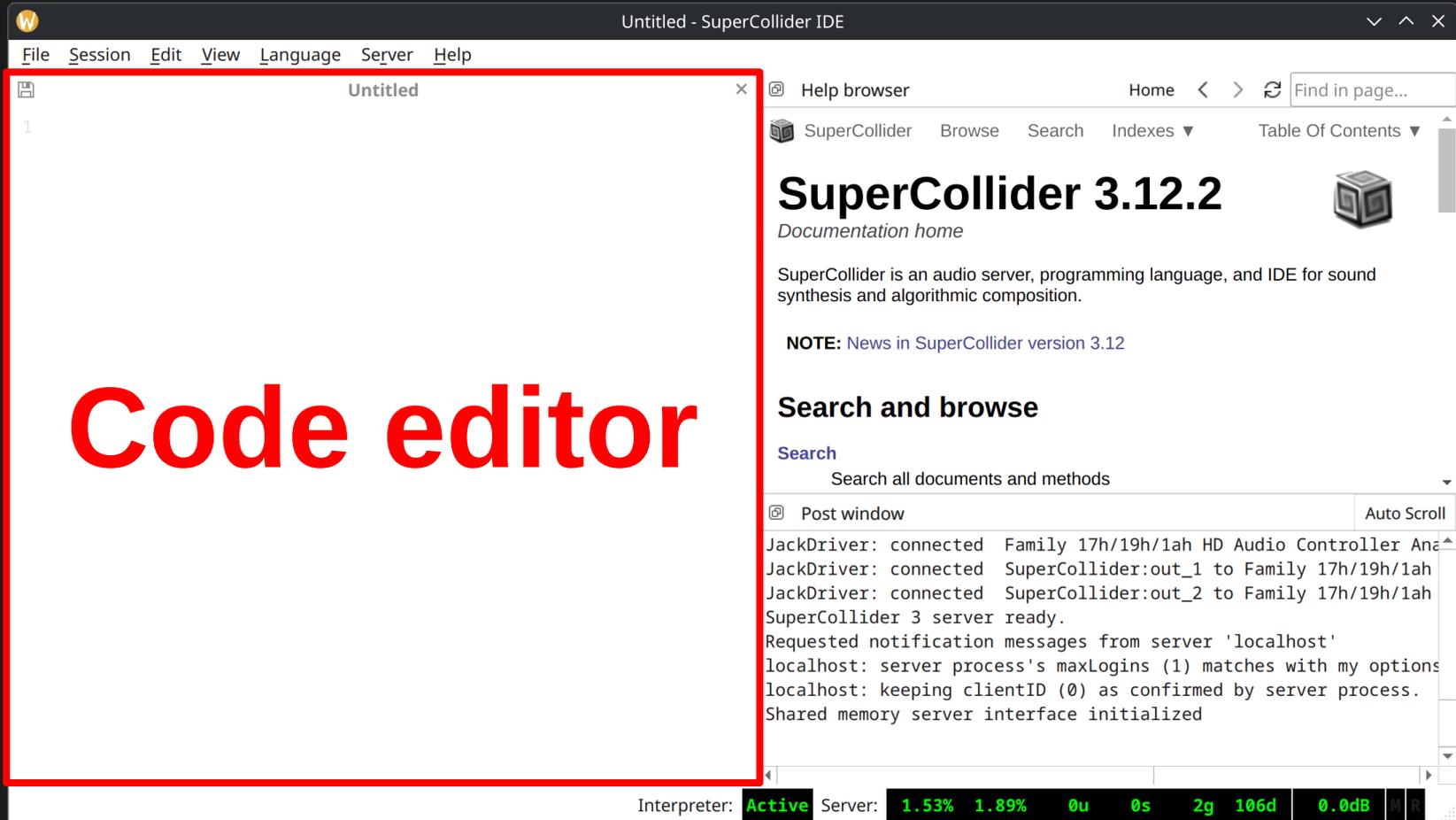
# SuperCollider IDE

The screenshot displays the SuperCollider IDE interface. At the top, a menu bar includes File, Session, Edit, View, Language, Server, and Help. Below the menu bar is a code editor window titled "Untitled" with a single line of code numbered "1". To the right of the code editor is a help browser window titled "Help browser" showing the "SuperCollider 3.12.2" documentation page. The help page includes a search bar, a "Search and browse" section, and a "Post window" showing the following output:

```
JackDriver: connected Family 17h/19h/1ah HD Audio Controller Ana
JackDriver: connected SuperCollider:out_1 to Family 17h/19h/1ah
JackDriver: connected SuperCollider:out_2 to Family 17h/19h/1ah
SuperCollider 3 server ready.
Requested notification messages from server 'localhost'
localhost: server process's maxLogins (1) matches with my options
localhost: keeping clientID (0) as confirmed by server process.
Shared memory server interface initialized
```

At the bottom of the IDE, a status bar shows the following information: Interpreter: Active, Server: 1.53% 1.89% 0u 0s 2g 106d 0.0dB.

# SuperCollider IDE



The screenshot displays the SuperCollider IDE interface. The main window is titled "Untitled - SuperCollider IDE" and features a menu bar with "File", "Session", "Edit", "View", "Language", "Server", and "Help". A red rectangular box highlights the "Untitled" code editor window, which contains a single line of text: "1". Overlaid on this editor is the text "Code editor" in a large, bold, red font.

To the right of the code editor is a "Help browser" window. It displays the "SuperCollider 3.12.2" documentation page, including a "Documentation home" link, a description of SuperCollider as an audio server, programming language, and IDE, and a "NOTE: News in SuperCollider version 3.12" link. Below this is a "Search and browse" section with a search input field.

At the bottom of the IDE is a "Post window" displaying the following output:

```
JackDriver: connected Family 17h/19h/1ah HD Audio Controller Ana
JackDriver: connected SuperCollider:out_1 to Family 17h/19h/1ah
JackDriver: connected SuperCollider:out_2 to Family 17h/19h/1ah
SuperCollider 3 server ready.
Requested notification messages from server 'localhost'
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localhost: keeping clientID (0) as confirmed by server process.
Shared memory server interface initialized
```

The status bar at the bottom shows "Interpreter: Active" and "Server: 1.53% 1.89% 0u 0s 2g 106d 0.0dB".

# SuperCollider IDE

The screenshot displays the SuperCollider IDE interface. The main window is titled "Untitled - SuperCollider IDE" and contains a menu bar with "File", "Session", "Edit", "View", "Language", "Server", and "Help". Below the menu bar is a toolbar with icons for file operations and a text area labeled "Untitled" with a line number "1".

A "Help browser" window is open, showing the "SuperCollider 3.2.2" documentation page. The page title is "SuperCollider 3.2.2" and the subtitle is "Documentation home". The text on the page reads: "SuperCollider is an audio server, programming language, and IDE for sound synthesis and algorithmic composition." Below this is a "NOTE: News" section and a "Search and browse" section with a "Search" button and the text "Search all documents and methods".

A "Post window" is also open, displaying the following text:

```
JackDriver: connected Family 17h/19h/1ah HD Audio Controller Ana
JackDriver: connected SuperCollider:out_1 to Family 17h/19h/1ah
JackDriver: connected SuperCollider:out_2 to Family 17h/19h/1ah
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Requested notification messages from server 'localhost'
localhost: server process's maxLogins (1) matches with my options
localhost: keeping clientID (0) as confirmed by server process.
Shared memory server interface initialized
```

Interpreter: **Active** Server: 1.53% 1.89% 0u 0s 2g 106d 0.0dB

# SuperCollider IDE

The screenshot displays the SuperCollider IDE interface. At the top, the title bar reads "Untitled - SuperCollider IDE". The menu bar includes "File", "Session", "Edit", "View", "Language", "Server", and "Help". The main editor area is titled "Untitled" and contains a single line of code on line 1. To the right, a "Help browser" window is open, displaying the "SuperCollider 3.12.2" documentation home page. Below the help browser, a "Post window" is visible, showing a log of messages from the server and client. The status bar at the bottom indicates the interpreter is "Active" and provides server statistics: "Server: 1.53% 1.89% 0u 0s 2g 106d 0.0dB".

File Session Edit View Language Server Help

Untitled

1

Help browser Home < > Find in page...

SuperCollider Browse Search Indexes Table Of Contents

## SuperCollider 3.12.2

Documentation home

SuperCollider is an audio server, programming language, and IDE for sound synthesis and algorithmic composition.

**NOTE:** [News in SuperCollider version 3.12](#)

### Search and browse

[Search](#)

Search all documents and methods

Post window Auto Scroll

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Shared memory server interface initialized
```

Interpreter: **Active** Server: 1.53% 1.89% 0u 0s 2g 106d 0.0dB

# SuperCollider IDE

The screenshot shows the SuperCollider IDE interface. The main window is titled "Untitled - SuperCollider IDE" and contains a menu bar (File, Session, Edit, View, Language, Server, Help) and a toolbar. The main workspace is empty, showing a single line of code on line 1. A "Help browser" window is open, displaying the "SuperCollider 3.12.2" documentation page. The page includes a search bar, a "Search and browse" section, and a "Post window" showing server status messages. A red box highlights the "Server status" section at the bottom of the IDE, which displays the following information:

Interpreter:	Active	Server:	1.53%	1.89%	0u	0s	2g	106d	0.0dB	M	F
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